

Message

From: Laidlaw, Tina [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=852B291AE2834806B4FBF5B8AB645A94-LAIDLAW, TINA]
Sent: 9/22/2022 9:57:33 PM
To: Mike Suplee [msuplee@mt.gov]
Subject: FW: Gallatin Samples

FYI

On Thu, Sep 15, 2022 at 9:17 PM Laidlaw, Tina <Laidlaw.Tina@epa.gov> wrote:

All,

Thanks for collecting samples on the Gallatin River and sending them to EPA's Office of Research and Development Lab for microscopy.

Please see the results below regarding the samples. Based on this information, I'd recommend we chat this winter and figure out a sampling strategy for 2023.

Tina

Summary of Algae Microscopy for the Gallatin River samples

- ORD (Avery Tatters) received 11 samples. Four of the samples were not labeled with site information.
- *Didymosphenia* was observed in 8 of the 11 samples; in overwhelming (>75% of biomass) amounts at 2 sampling locations (both not labeled).
- A single cyanobacterial species (genus *Microcoleus*) was present in 3 of the samples. At one site, *Microcoleus* comprised approximately 50% of the sample. Unfortunately, the sample bottle was not labeled so we don't know the specific location.
- Because the samples were frozen, and green algae don't freeze well, we recommend resampling next year and doing follow-up identification work.

Tina Laidlaw

Water Quality Standards / Monitoring and Assessment Teams

EPA Region 8

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To partner with our greater community to lead conservation and inspire stewardship of the Gallatin River Watershed.